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RECENT PUBLICATIONS.—*American Naturalist*, December and January. In the former number is given an interesting communication from C. G. Pringle upon "Alpine and Subalpine Plants in Vermont." Many rare plants are found occurring on the Green Mountains, and Mr. Pringle thinks that the plants found there are much more alpine in character than they have heretofore been credited with being. A region is described which out-Willoughbys Willoughby itself. Among the rarer plants found are *Asplenium viride*, *Saxifraga aizoon*, *S. aizoides*, *S. oppositifolia*, *Woodsia glabella*, *W. hyperborea*, *Calamagrostis Levensdorfii*, *Graphephorum melicoides*, and *Habenaria rotundifolia*. W. W. Bailey gives in popular language the differences between the two Bitter-Sweets *Solanum dulcamara* and *Celastrus scandens*. In the January number Dr. Gray proposes the term *heterogone* or *heterogonous* flowers for the old *divco-dimorphism* of Torr. & Gr., Fl. N. Am., the *dimorphism* of Mr. Darwin, and the *heterostyled* flowers of Hildebrand. This term, expressing a difference in relative length or height of stamens and style, would have its counterpart in *homogone* or *homogonous* flowers to designate the absence of this kind of differentiation.

Bulletin of the Torrey Botanical Club, December. Mr. Leggett announces his intention of publishing monthly a "Calendar of Leaves," for the purpose of gathering facts on the subject of the habits of different shrubs and trees in shedding or retaining their leaves. A short account of the Torrey Herbarium and Library is given. The Herbarium numbers from seventy-five to eighty thousand species of plants made up principally by the collection of Dr. Torrey, estimated to contain 35,000 species, the Meissner Herbarium, and the Herbarium of Dr. Chapinan. The Library contains about 1,300 volumes in all departments of Botany.

The *Index Seminum* of the Chicago Botanical Garden offers a fine list of seeds for exchange. H. H. Babcock, Director.

We take great pleasure in announcing that Dr. Joseph T. Rothrock, of Wilkesbarre Penn., has been unanimously elected Professor of Botany in the University of Pennsylvania. Through his experience both in field and herbarium work, he is a man well fitted for the position, and will undoubtedly reflect great credit upon himself and the institution which has done him this honor.

Having received and examined a set of Mr. Flint's Alpine plants we can cordially recommend them to our readers as being very satisfactory and at the same time very cheap. We take the following announcement from the *American Naturalist*:—"Collections of the Alpine and sub-Alpine plants of the White Mountains, N. H., containing more than fifty species, have been made during the past season, by William F. Flint and J. H. Huntington. The number of sets is limited to fifty. They have been carefully arranged and ticketed, and will be sent by mail upon the receipt of five dollars [\$5.00]. Address William F. Flint, Hanover, N. H. [Box 348.]

"MONOGRAPHIE PHANEROGAMARUM."—M. Alphonse DeCandolle and his son, Casimir DeCandolle, are engaged upon the first volume of a work similar to the *Prodromus* which is to be entitled "*Monographie Phanerogamarum*." It will contain the *Smilacaceæ*, by A. DeCandolle, the *Meliaceæ*, by C. DeCandolle, and other families by other writers. They will consider the families not contained in the *Prodromus*, or those which have need of being elaborated anew.—J. M. C.

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